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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/740,175	12/18/2000	Klaus Turina	43605-00024USPT	5370

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EXAMINER

NGUYEN, VAN KIM T

ART UNIT	PAPER NUMBER
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2661

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DATE MAILED: 03/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/740,175

Applicant(s)

TURINA ET AL.

Examiner

Van Kim T. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 7-8.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____.

DETAILED ACTION

This Office Action is responsive to communications filed on December 18, 2000.

Claim Objections

Claim 5 is objected to because of the following informalities:

It is not clear whether “(SCTP)”, as recites on line 2, and “(IP)”, as recites on line 3, are intended to be parts of the limitations.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Reiman et al (US 5,706,286).

Regarding claims 1-3, 5-12, 13, 16-18, and 20, as shown in Figures 1-25, Reiman discloses a communication apparatus (10) running a protocol stack (SS7, TCAP) implementation for interworking between a signaling source node (2, 4, 6, 14) and a signaling target node (20, 22, 24, 26, 28, 30, 32), comprising: a first protocol implementation unit (10, 11, 12, 16, 18) adapted to run a signaling control layer (SCCP) of the protocol stack on top of a packet transfer network for exchange of signaling data via at least one signaling association; a second protocol (IPX) implementation unit (20, 22, 24, 26, 28, 30, 32) adapted to run a user adaptation layer (NIDS control/communication/monitor process, LIDB process, database process) of the protocol

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stack on top of the signaling control layer for support of signaling connection control services used by the signaling source node; wherein a name mapping unit (22, 24, 27) is adapted to receive a signaling target node name (authorization code or account number) from the signaling source node and to map (validate) the signaling target node name into a peer signaling association (col. 6: line 55 – col. 8: line 63); the mapping of the signaling target node name into the peer signaling association is carried out according to a specified algorithm (round robin fashion; col. 7: lines 21-27); detecting an unreachable peer signaling association or an unreachable signaling transport address in a peer signaling association and selecting another signaling transport address under the same signaling target node name (col. 8: lines 1-14; col. 12: lines 48-56); maintaining a database storing association attributes and updating the database (col. 15: line 61 – col. 16: line 41); and updating the data base comprising at least one step selected from a group comprising signaling node registration (col. 13: line 21 – col. 21: line 49).

Regarding claim 4, Reiman also discloses the name mapping unit comprises a memory unit (22, 24) adapted to store signaling association attributes locally in the communication apparatus (col. 6: lines 24-54).

Regarding claim 14-15, Reiman also discloses the specified algorithm is a query responsive database algorithm, or a table lookup algorithm (col. 7: lines 21-27).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Sayers et al (US 6,687,243); Mijares et al (US 6,683,881); Sjödin (US 6,631,140); Liao et al (US 6,611,533); Larson et al (US 6,594,258); Liao et al (US 6,529,524); Tovander (US

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6,507,649); Couturier et al (US 6,504,852); Ray et al (US 6,424,638); Lindgren et al (US 6,411,632); Miller (US 6,324,183); Cumberton et al (US 6,282,191); Glitho (US 6,178,181); Hager et al (US 6,154,467); Bicknell et al (US 6,011,803).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Van Kim T. Nguyen whose telephone number is 703-305-7692. The examiner can normally be reached on 8:00 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W. Olms can be reached on 703-305-4703. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

vkkn



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